## **ABSTRACT**

A nitrogen-containing thermoelectric material, which has an element composition represented by:

$$Al_{z}Ga_{y}In_{x}M_{u}R_{v}O_{s}N_{t} \tag{A}$$

or 
$$Al_zGa_yIn_xM_uR_vD_wN_m$$
 (B)

(wherein M represents a transition element; R represents a rare earth element; D represents at least one element selected from elements of the Group IV or II;  $0 \le z \le 0.7$ ,  $0 \le y \le 0.7$ ,  $0.2 \le x \le 1.0$ ,  $0 \le u \le 0.7$ ,  $0 \le v \le 0.05$ ,  $0.9 \le s + t \le 1.7$ ,  $0.4 \le s \le 1.2$ ,  $0 \le w \le 0.2$ , and  $0.9 \le m \le 1.1$ ; and x + y + z = 1), and has an absolute value of a Seebeck coefficient of 40  $\mu$ V/K or more at a temperature of  $100^{\circ}$ C or more. These thermoelectric materials comprise elements having low toxicity, are excellent in a heat resistance, a chemical resistance and the like, and have a high thermoelectric transforming efficiency.